Certificate

TN/PED-4-3/21360/25

Report No. / Manufacturer No. / Validity remark: 8124130438 / 21360 / 09.2025 - 09.2028

Quality Management System for Manufacturers of Material for Pressure Equipment

TÜV NORD Systems GmbH & Co. KG confirms that the manufacturer
thyssenkrupp rothe erde Germany GmbH
Tremoniastraße 5-11
44137 Dortmund
Deutschland

has implemented and applies a quality management system in relation to materials in accordance with the requirements of the certification scheme TNS-W0_PED-4-3.
This quality management system has undergone a specific assessment with regard to materials in accordance with Directive 2014/68/EU, Annex I, point 4.3 to ensure the conformity of the materials and inspection certificates.

The scope of the approval is shown on the following page.

Test basis: **EN 764-5, section 4.2**

Manufacturing site(s): **Tremoniastraße 5-11, 44137 Dortmund**

Hamburg, 20.10.2025

Certification Body

TÜV NORD Systems GmbH & Co. KG
Große Bahnstraße 31, 22525 Hamburg , Germany
tuev-nord.de | certifications@tuev-nord.de

Scope of Approval

TN/PED-4-3/21360/25

Report No. / Manufacturer No. / Validity remark: 8124130438 / 21360 / 09.2025 - 09.2028

The QM system in relation to materials was assessed on the basis of:

Manufacturing Process	Product type	Material type	Dimensions
hot rolled	ring, flange	non-alloyed, alloyed	400/300x55 -
hot rolled	ring, flange	non-alloyed, alloyed	- 800/6600x700

The scope of the certification results from EN 764-5, section 4.2.2 and is not limited to specific product standards. This means that standards other than the EN standards can also be used, such as ASME or ASTM. It should be noted that a PMA (Particular Materials Appraisal) according to 2014/68/EU may be required for the manufacturer of the pressure equipment in such cases.

Certificate

TN/AD2000-W0/21360/25

Report No. / Manufacturer No. / Validity remark: 8124130438 / 21360 / 09.2025 - 09.2028

Material Manufacturer acc. to AD 2000-Merkblatt W 0

TÜV NORD Systems GmbH & Co. KG confirms that the manufacturer
thyssenkrupp rothe erde Germany GmbH
Tremoniastraße 5-11
44137 Dortmund
Germany

has been inspected and recognised as a material manufacturer in accordance with the requirements of the certification scheme TNS-W0_PED-4-3 acc. to AD 2000-Merkblatt W 0.

For details, see the report and the scope of the assessment.

The manufacturer has the following requirements:
- facilities for proper manufacturing and testing,
- appropriate processes for the manufacture of the products,
- skilled personnel for the manufacture and testing of the products and
- a quality management system with corresponding records that ensures proper manufacture of the products and compliance with the requirements specified in the material specification.

Hamburg, 20.10.2025

Certification Body

TÜV NORD Systems GmbH & Co. KG
Große Bahnstraße 31, 22525 Hamburg, Germany
tuev-nord.de | certifications@tuev-nord.de

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Scope of Approval

TN/AD2000-W0/21360/25

Report No. / Manufacturer No. / Validity remark: 8124130438 / 21360 / 09.2025 - 09.2028

to the Certificate as Material Manufacturer acc. to AD 2000-Merkblatt W 0

thyssenkrupp rothe erde Germany GmbH

Tremoniastraße 5-11, 44137 Dortmund

Revision status: 0

Hamburg, 20.10.2025

Certification Body

TÜV NORD Systems GmbH & Co. KG
Große Bahnstraße 31, 22525 Hamburg, Germany
tuev-nord.de | certifications@tuev-nord.de

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Scope of Approval

TN/AD2000-W0/21360/25

Report No. / Manufacturer No. / Validity remark: 8124130438 / 21360 / 09.2025 - 09.2028

No.	material designation / product form / specification	dimensions / (unit) weight / heat treatment / delivery condition (EN 10027)	AD 2000	remarks
1	S325G / ring, flange / EN10250-2	400/300x55 - 800/6600x700 / -- / +N, +NT	W9	
2	S235JR / ring, flange / EN10250-2	400/300x55 - 800/6600x700 / -- / +N, +NT	W9	
3	16Mo3 / ring, flange / EN10222-2	400/300x55 - 800/6600x700 / -- / +QT	W9	
4	P250GH / ring, flange / EN10222-2	400/300x55 - 800/6600x700 / -- / +N	W9	
5	P265GH / ring, flange / EN10222-2	400/300x55 - 800/6600x700 / -- / +N	W9	
6	C22.8 / ring, flange / VdTÜV WB 350/3	400/300x55 - 800/6600x700 / -- / +N	W9	
7	P355QH1 / ring, flange / EN10222-4	400/300x55 - 800/6600x700 / -- / +QT	W9	